



Jobs Act for Public K-12 & Higher Education Institutions

Seattle Public Schools Viewlands Elementary

About the Jobs Act:

The Jobs Act for Public K-12 and Higher Education Institutions was funded through the 2010 Supplemental Capital Budget – ESHB 2836 Section 1016. \$50 million was given to Commerce. Commerce awarded 77 grants totaling \$42.5 million. Viewlands is located in the 36th Legislative District. For more information: www.commerce.wa.gov

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Viewlands is back

Seattle Public Schools is the largest K-12 school system in Washington State, serving more than 48,500 students in 88 schools.

Situation:

Viewlands Elementary needed substantial repair. The school closed in 2007, due to falling district enrollments, and quickly became the target for thieves who stole copper pipes, tore out electrical wiring, cut holes in walls, and broke windows, while vandals spray-painted the building. The district's downward enrollment trend reversed and there was a need to reopen several closed schools - including Viewlands.

Solution:

Viewlands needed to be rehabilitated quickly and had a big job to do. Because thieves stole all of the electrical work, replacing it was the district's first undertaking.

Once the electrical work was done, the district began installing new boilers, lighting controls, energy efficient lighting, and new insulated windows. Viewlands' central boiler housed several old and inefficient non-condensing

Project Highlights:

- *New boilers and controls*
- *Lighting upgrades throughout classrooms, hallways, cafeteria, and administrative offices*
- *Replaced single pane windows dating back to 1954 with new energy efficient double pane windows*
- *Estimated annual energy savings \$6,035*





“More than 31 Seattle Public School District buildings are receiving important energy efficiency upgrades thanks to Jobs Act funding. Seattle Public Schools was able to leverage its own capital levy funds to stretch these funds even further.”

Lucy Morello

Seattle Public Schools Director of Capital Projects and Planning

boilers. With efficiency ratings of 80 percent, the boilers were in need of replacement. The new 94 percent efficient condensing boilers are vastly more efficient than the old boilers.

Viewlands’ new lighting and natural daylight work hand-in-hand to improve the educational environment as well as to save energy. Over the years, numerous studies have shown students’ test scores and productivity, especially in math and reading, increase significantly when they are in classrooms with natural lighting. Occupancy sensors that control the lighting tell the energy management system when a room is being used and when it’s empty. Daylight sensors control all of the lights next to the windows. When natural light reaches a certain level, the daylight sensors turn off the light fixtures, saving energy.

Viewlands metal-framed single pane windows dated back to 1954 when the school opened. Now, new double pane high efficiency windows are keeping students, staff, and teachers

more comfortable during the school year.

Results:

Viewlands is back!

“In renovating Viewlands, we created an enhanced learning environment, not just for safety but an atmosphere for greatly improved learning and teaching,” said Tom Redman, Seattle Public Schools Capital Projects Community Liaison. The new energy saving technologies are expected to save \$6,035 annually.

Seattle Public Schools plan to roll savings from the Viewlands project, and all of the other schools participating in the Jobs Act program, into either other energy projects or school improvements. “The district hopes to continue creating a culture where teachers, students, and staff are conscious of energy,” said Lucy Morello, Seattle Public Schools director of Capital Projects and Planning.



Measures:

- ***Windows***
- ***Lighting***
- ***Controls – occupancy sensors, daylight sensors***
- ***Hot water heater***
- ***HVAC – boilers, air conditioning units, and pumps***

Total project costs: \$2,418,497

Estimated annual energy savings: \$6,035

Grant award amount: \$513,300